## **POLYUREA PRIMER**

## Fast curing polyurea primer



Fast curing, cold-applied two component pure polyurea based primer. Especially designed for applications on rigid, porous and dry supports.

#### **APPLICATION**

As adhesion layer, sealant and strengthener for rigids, porous and dry substrates. sealant (concrete, cement) before the application of polyurethane or polyurea waterproofing membranes.

#### **TECHNICAL DATA**

INFORMATION ON THE PRODUCT BEFORE APPLICATION				
	Component A		Compon	ent B
Chemical description	Polyisocyanate solution		Polyan	nine
Physical state	Liqui	Liquid		id
Packaging	Metal container 20 kg		Metal cor 2 kg	
(predosed kit A+B)	4 kg		0.4 kg	
Non-volatile content (%)	60%		100	)
Flash Point	36°C	36°C		2
Colour	Light yellow		Light ye	ellow
Density	Temperature (°C)	Density (g/cm³)	Temperature (°C)	Density (g/cm³)
	25	0.95	25	0.9
Viscosity				
(Brookfield)	Temperature	Viscosity	Temperatur	Viscosity
	(°C)	(mPa.s)	e (°C)	(mPa.s)
	10	300	10	
	25	170	25	<20

A/B Ratio	A=100, B=10	in wieght	
	A=100, B=10.5	5 in volume	
Mixture	Density: 0.90-	0.95 g/cm <sup>3</sup>	
properties	Viscosity: 9	Viscosity: 95 mPa.s	
	Colour: sligh	tly yellow	
Pot life	Conditions	Pot life	

393 g/L, 40%

110

35

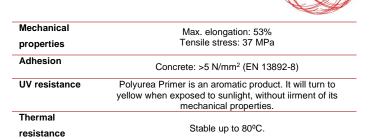
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Pot life	Conditions (100g)	Pot life (min)	
	25°C, 40% hr	60	
	In contact with air, the product can form a surface skin in the		
	packaging		
	Remove the skin, if formed, and continue the application.  High temperatures and humidities reduce working time		
Storage	Store between 10° and 30°C	c, protected from humidity.	
Expiration	12 months after manufacturing	date, in its original, unopened	

container.
INFORMATION ON THE FINAL PRODUCT

IN ORMATION ON THE LINAL I RODUCT		
Final State	Solid membrane	
Colour	Colourless, slightly yellow	
Hardness (Shore)	70D	
Density	1,35 g/cm <sup>3</sup>	



### **SUPPORT REQUIREMENTS**

Support should present the following mechanical properties:

Cohesion: minimum 1,5 MPa.

Compressive strength: minimum 25 MPa.

Support must be completely free of water or water vapour.

The surface must be clean, dry and free of any area with less or no grip, and with a moisture content of less than 4%. It should be especially free of oil stains, grease, cured product, and any substance that could interfere with adhesion. Substrate temperature should be between 10 ° C and 25 ° C.

If you suspect the presence of moisture in the support, use an appropriate primer. Consult Krypton Chemical for the types of primer.

On concrete or fresh mortar, you must wait at least 21 days before applying this system so that drying of the support is allowed

#### CONSUMPTION

Expect a consumption of 300-400 g/m<sup>2</sup>

#### **AMBIENTAL CONDITIONS**

Air temperature should be between +10 and +30  $^{\circ}\text{C}. \,$  Relative humidity shouldn't exceed 60%.

#### **MIXING**

Open the container of component A. Shake the product mechanically at low speed to avoid excessive intake of air. Homogenization of component A should be in about 2 minutes. Then pour component B into the container of component A and mix in the same way for 2 minutes. Pour the mixture into a larger container and verify that there remains no material unmixed.

#### **CURING TIME**

Curing time depends strongly on the ambiental conditions. The higher the temperature and humidity are, the faster Polyurea Primer cures

Conditions	Dry to touch (minutes)
25°C, 40% hr, 200 g/m2	25
10°C, 50% hr, 200 g/m2	45

#### **TOOL CLEANING**

Components A and B can be cleaned with Rayston solvent. Cured product can only be removed with special Paint Stripper.

#### **SECURITY**

This product contains isocyanates and polyamines. Always follow the instructions provided in the material safety data sheet and take the precautions described there. As a general rule, suitable ventilation must be ensured and any skin contact avoided. This product is intended to be used only for the uses and in the way here described. This product is to be used only by industrial or professional users. It is not suitable for DIY-type uses.



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### **OTHER INFORMATION**

The information contained in this DATA SHEET, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

We recommend studying deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests "on-site" in order to determine their convenience for a specific project.



Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

This data sheet supersedes previous versions.



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